

MULTI-LAYERED MOMENTUM TRAP BALLISTIC ARMOR

ABSTRACT OF THE DISCLOSURE

A momentum trap ballistic armor comprises an accelerating layer, a plug layer adjacent to the accelerating layer, and an energy absorbing layer. The
5 plug layer includes an opening and at least one plug maintained within the opening. When a projectile impacts the accelerating layer, the plug is accelerated to the velocity of the projectile before the projectile perforates the plug, forming a projectile-plug
10 combination. The energy absorbing layer is used to capture the projectile-plug combination. The accelerating layer is typically ceramic, the plug layer is typically metal, and the energy absorbing layer is typically ballistic cloth material.